

09902709\_CLS.txt  
Most Frequently Occurring Classifications of Patents Returned  
From A Search of 09902709 on October 22, 2004

Original Classifications

4 370/325  
4 455/12.1  
2 342/353  
2 342/373  
2 370/319  
2 375/346  
2 455/522

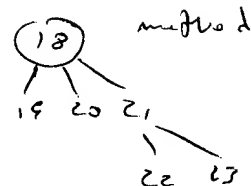
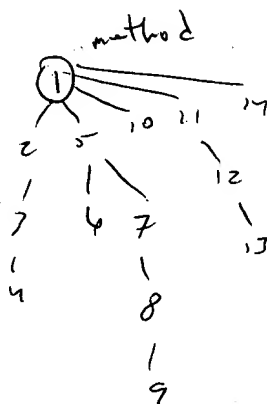
Cross-Reference Classifications

4 343/840  
4 455/427  
3 342/354  
3 343/781P  
3 370/316  
3 370/335  
3 370/343  
3 375/130  
3 380/34  
3 455/12.1  
3 455/13.3  
3 455/13.4  
3 455/272  
3 455/69  
3 725/67  
2 340/7.33  
2 343/782  
2 370/318  
2 370/320  
2 370/321  
2 370/341  
2 370/342  
2 370/353  
2 370/486  
2 370/535  
2 375/235  
2 375/308  
2 375/347  
2 455/13.1  
2 455/131  
2 455/425  
2 455/505  
2 455/70  
2 725/147

Combined Classifications

7 455/12.1  
5 370/325  
4 343/840  
4 370/316  
4 370/335  
4 375/130  
4 455/427  
4 725/67  
3 342/353  
3 342/354  
3 343/781P  
3 370/320  
3 370/343

724 | 76.19, 76.22  
702 | 76.39, 76.41  
455 | 9, 12.1, 60



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3 380/34  
3 455/13.1  
3 455/13.3  
3 455/13.4  
3 455/272  
3 455/522  
3 455/69  
2 340/7.33  
2 342/373  
2 343/782  
2 343/786  
2 370/318  
2 370/319  
2 370/321  
2 370/323  
2 370/341  
2 370/342  
2 370/353  
2 370/486  
2 370/535  
2 375/235  
2 375/259  
2 375/308  
2 375/346  
2 375/347  
2 455/131  
2 455/425  
2 455/505  
2 455/562.1  
2 455/70  
2 725/147  
2 725/70

Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 09902709 on October 22, 2004

- 7 455/12.1 (4 OR, 3 XR)  
     Class 455 : TELECOMMUNICATIONS  
     455/7 CARRIER WAVE REPEATER OR RELAY SYSTEM (I.E.,  
                     RETRANSMISSION OF SAME INFORMATION)  
     455/11.1 .Portable or mobile repeater  
     455/12.1 ..Space satellite
- 5 370/325 (4 OR, 1 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/310 COMMUNICATION OVER FREE SPACE  
     370/315 .Repeater  
     370/316 ..Airborne or space satellite repeater  
     370/319 ...Multiple access (e.g., FDMA)  
     370/325 ....Including onboard switching
- 4 343/840 (0 OR, 4 XR)  
     Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
     343/700R ANTENNAS  
     343/834 .Antenna with parasitic reflector  
     343/840 ..Parabolic-type reflector with active antenna  
                     at focus
- 4 370/316 (1 OR, 3 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/310 COMMUNICATION OVER FREE SPACE  
     370/315 .Repeater  
     370/316 ..Airborne or space satellite repeater
- 4 370/335 (1 OR, 3 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/310 COMMUNICATION OVER FREE SPACE  
     370/328 .Having a plurality of contiguous regions  
                     served by respective fixed stations  
     370/329 ..Channel assignment  
     370/335 ...Combining or distributing information via  
                     code word channels using multiple access techniques  
 (e.g.,  
                     CDMA)
- 4 375/130 (1 OR, 3 XR)  
     Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
     375/130 SPREAD SPECTRUM
- 4 455/427 (0 OR, 4 XR)  
     Class 455 : TELECOMMUNICATIONS  
     455/403 RADIOTELEPHONE SYSTEM  
     455/422.1 .Zoned or cellular telephone system  
     455/427 ..Space satellite
- 4 725/67 (1 OR, 3 XR)  
     Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS  
     725/63 SATELLITE VIDEO DISTRIBUTION SYSTEM  
     725/67 .Transmitter
- 3 342/353 (2 OR, 1 XR)  
     Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
                     AND DEVICES  
     342/350 DIRECTIVE  
     342/352 .Including a satellite

- 342/353 ..Having a signal repeater
- 3 342/354 (0 OR, 3 XR)  
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
 AND DEVICES  
 342/350 DIRECTIVE  
 342/352 ..Including a satellite  
 342/354 ..With beam steering
- 3 343/781P (0 OR, 3 XR)  
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
 343/700R ANTENNAS  
 343/772 ..Wave guide type (e.g., horn)  
 343/781R ..With external reflector or director  
 343/781P ...Plural reflectors
- 3 370/320 (1 OR, 2 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/310 COMMUNICATION OVER FREE SPACE  
 370/315 ..Repeater  
 370/316 ..Airborne or space satellite repeater  
 370/319 ...Multiple access (e.g., FDMA)  
 370/320 ....Code division (CDMA)
- 3 370/343 (0 OR, 3 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/310 COMMUNICATION OVER FREE SPACE  
 370/343 ..Combining or distributing information via  
 frequency channels
- 3 380/34 (0 OR, 3 XR)  
 Class 380 : CRYPTOGRAPHY  
 380/255 COMMUNICATION SYSTEM USING CRYPTOGRAPHY  
 380/270 ..Wireless communication  
 380/33 ..Using plural paths or channels  
 380/34 ...Plural carrier frequencies
- 3 455/13.1 (1 OR, 2 XR)  
 Class 455 : TELECOMMUNICATIONS  
 455/7 CARRIER WAVE REPEATER OR RELAY SYSTEM (I.E.,  
 RETRANSMISSION OF SAME INFORMATION)  
 455/11.1 ..Portable or mobile repeater  
 455/12.1 ..Space satellite  
 455/13.1 ...With plural repeater or relay systems
- 3 455/13.3 (0 OR, 3 XR)  
 Class 455 : TELECOMMUNICATIONS  
 455/7 CARRIER WAVE REPEATER OR RELAY SYSTEM (I.E.,  
 RETRANSMISSION OF SAME INFORMATION)  
 455/11.1 ..Portable or mobile repeater  
 455/12.1 ..Space satellite  
 455/13.3 ...with antenna feed network or multiple  
 antenna switching
- 3 455/13.4 (0 OR, 3 XR)  
 Class 455 : TELECOMMUNICATIONS  
 455/7 CARRIER WAVE REPEATER OR RELAY SYSTEM (I.E.,  
 RETRANSMISSION OF SAME INFORMATION)  
 455/11.1 ..Portable or mobile repeater  
 455/12.1 ..Space satellite  
 455/13.4 ...Power control
- 3 455/272 (0 OR, 3 XR)

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Class 455 : TELECOMMUNICATIONS
455/130    RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
           CONVERTER
455/269    .With wave collector (e.g., antenna)
455/272    ..Plural separate collectors

3 455/522   (2 OR, 1 XR)
Class 455 : TELECOMMUNICATIONS
455/39     TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/500     .Plural transmitters or receivers (i.e., more
           than two stations)
455/507     ..Central station (e.g., master, etc.)
455/517     ...To or from mobile station
455/522     ....Transmission power control technique

3 455/69    (0 OR, 3 XR)
Class 455 : TELECOMMUNICATIONS
455/39     TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/68     .With control signal
455/69     ..Transmitter controlled by signal feedback
           from receiver

2 340/7.33   (0 OR, 2 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/825     SELECTIVE
340/825.36  .Having indication or alarm (e.g., location
           indication)
340/7.2     ..Code responsive (i.e., paging)
340/7.32    ...Power control or battery saving
340/7.33    ....Based on received signal

2 342/373    (2 OR, 0 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
           AND DEVICES
342/350     DIRECTIVE
342/368     .Including a steerable array
342/373     ..With a matrix

2 343/782    (0 OR, 2 XR)
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
343/700R    ANTENNAS
343/772     .Wave guide type (e.g., horn)
343/781R    ..With external reflector or director
343/782     ...With means reducing re-radiation into active
           antenna

2 343/786    (1 OR, 1 XR)
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
343/700R    ANTENNAS
343/772     .Wave guide type (e.g., horn)
343/786     ..With horn

2 370/318    (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/310     COMMUNICATION OVER FREE SPACE
370/315     .Repeater
370/316     ..Airborne or space satellite repeater
370/317     ...Including noise compensation
370/318     ....Including power control

2 370/319    (2 OR, 0 XR)

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Class 370 : MULTIPLEX COMMUNICATIONS  
 370/310 COMMUNICATION OVER FREE SPACE  
 370/315 .Repeater  
 370/316 ..Airborne or space satellite repeater  
 370/319 ...Multiple access (e.g., FDMA)

2 370/321 (0 OR, 2 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/310 COMMUNICATION OVER FREE SPACE  
 370/315 .Repeater  
 370/316 ..Airborne or space satellite repeater  
 370/319 ...Multiple access (e.g., FDMA)  
 370/321 ....Time division (TDMA)

2 370/323 (1 OR, 1 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/310 COMMUNICATION OVER FREE SPACE  
 370/315 .Repeater  
 370/316 ..Airborne or space satellite repeater  
 370/319 ...Multiple access (e.g., FDMA)  
 370/321 ....Time division (TDMA)  
 370/323 .....Including onboard switching

2 370/341 (0 OR, 2 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/310 COMMUNICATION OVER FREE SPACE  
 370/340 .Using trunking  
 370/341 ..Channel assignment

2 370/342 (0 OR, 2 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/310 COMMUNICATION OVER FREE SPACE  
 370/342 .Combining or distributing information via code  
 word channels using multiple access techniques (e.g.,

CDMA)

2 370/353 (0 OR, 2 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/351 PATHFINDING OR ROUTING  
 370/352 .Combined circuit switching and packet  
 switching  
 370/353 ..Switching network having common elements to  
 handle both circuit switched traffic and packet switched  
 traffic

2 370/486 (0 OR, 2 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/473 ..Transmission of a single message having  
 multiple packets  
 370/480 .Combining or distributing information via  
 frequency channels  
 370/485 ..Subscriber carrier  
 370/486 ...Program distribution

2 370/535 (0 OR, 2 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/473 ..Transmission of a single message having  
 multiple packets  
 370/498 .Combining or distributing information via time  
 channels  
 370/535 ..Multiplexing combined with demultiplexing

- 2 375/235 (0 OR, 2 XR)  
     Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
     375/229     EQUALIZERS  
     375/230     .Automatic  
     375/232     ..Adaptive  
     375/235     ...Quadrature channels
- 2 375/259 (1 OR, 1 XR)  
     Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
     375/259     SYSTEMS USING ALTERNATING OR PULSATING CURRENT
- 2 375/308 (0 OR, 2 XR)  
     Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
     375/295     TRANSMITTERS  
     375/302     .Angle modulation  
     375/308     ..Phase shift keying
- 2 375/346 (2 OR, 0 XR)  
     Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
     375/316     RECEIVERS  
     375/346     .Interference or noise reduction
- 2 375/347 (0 OR, 2 XR)  
     Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
     375/316     RECEIVERS  
     375/346     .Interference or noise reduction  
     375/347     ..Diversity (frequency or time)
- 2 455/131 (0 OR, 2 XR)  
     Class 455 : TELECOMMUNICATIONS  
     455/130     RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY  
                   CONVERTER  
     455/131     .Frequency conversion between signal source  
                   (e.g., wave collector) and receiver
- 2 455/425 (0 OR, 2 XR)  
     Class 455 : TELECOMMUNICATIONS  
     455/403     RADIOTELEPHONE SYSTEM  
     455/422.1   .Zoned or cellular telephone system  
     455/423     ..Diagnostic testing, malfunction indication,  
                   or electrical condition measurement  
     455/425     ...Subscriber equipment
- 2 455/505 (0 OR, 2 XR)  
     Class 455 : TELECOMMUNICATIONS  
     455/39     TRANSMITTER AND RECEIVER AT SEPARATE STATIONS  
  
     455/500     .Plural transmitters or receivers (i.e., more  
                   than two stations)  
     455/501     ..Noise, distortion, or singing reduction  
     455/504     ...Fading compensation  
     455/505     ....Due to weather
- 2 455/562.1 (1 OR, 1 XR)  
     Class 455 : TELECOMMUNICATIONS  
     455/73     TRANSMITTER AND RECEIVER AT SAME STATION (E.G.,  
                   TRANSCIVER)  
     455/550.1   .Radiotelephone equipment detail  
     455/561     ..Base station detail  
     455/562.1   ...Having specific antenna arrangement
- 2 455/70 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS  
455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS  
  
455/68 .With control signal  
455/70 ..Receiver control signal originates at message  
transmitter

2 725/147 (0 OR, 2 XR)  
Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS  
725/143 VIDEO DISTRIBUTION SYSTEM COMPONENTS  
725/144 .Headend  
725/147 ..Communications interface

2 725/70 (1 OR, 1 XR)  
Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS  
725/63 SATELLITE VIDEO DISTRIBUTION SYSTEM  
725/68 .Receiver  
725/70 ..For digital signal



PLUS Search Results for S/N 09902709, Searched October 22, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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